

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-100409

(43)Date of publication of application : 07.04.2000

(51)Int.Cl.

H01M 2/16

(21)Application number : 10-268865

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(22)Date of filing : 24.09.1998

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(57)Abstract:

PROBLEM TO BE SOLVED: To improve oxidation resistance, and to stably manufacture a battery by constituting a separator of a fiber sheet containing para type aromatic polyamide fiber having tensile strength not less than a specific value.

SOLUTION: Fiber having the tensile strength not less than 20 g/d is used as para aromatic polyamide fiber to thereby prevent a separator from tearing by a short circuit caused by a burr on a plate and the edge of the plate. The fiber can exhibit stable performance over along period since it is also excellent in oxidation resistance. The fiber can be constituted of a resin component such as poly-p-phenylene terephthalic amide. The fiber is desirably contained by 3 mass % or more so as not to cause a short circuit by a burr on the plate, but while, since tensile strength of the separator lacks when nonwoven fabric is formed only of this, it is preferable to set 80 mass % as the upper limit.

LEGAL STATUS

[Date of request for examination] 08.09.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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